

Modulated Signal in Frequency Domain

Modulated Signal (Amplitude)

Transmitted Signal in Frequency Domain

Frequency Domain

Frequency

Frequency

Fig. 2

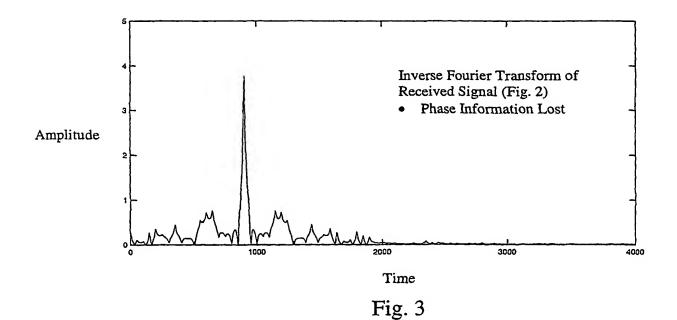
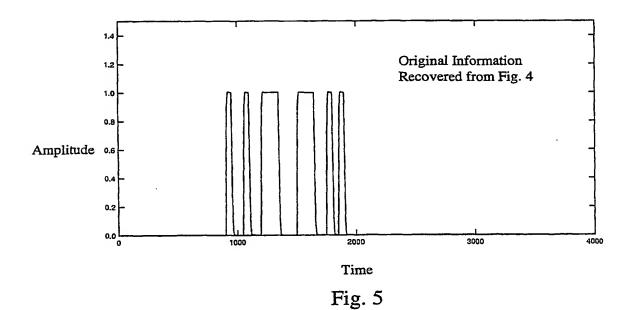


Fig. 4



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<u>10</u> 12 16 20 Optical Input Signal to be 3 x 3 Detector P2 Data D2  $ightharpoonup \overline{E}_{S}(t)$ Coupler D3 Block **Processor** Analyzed  $E_s = \rho_s e^{i\theta(t)}$  $E_r$ 22 Laser Reference Signal  $E_r = \alpha e^{i\beta(t)}$ Fig. 6

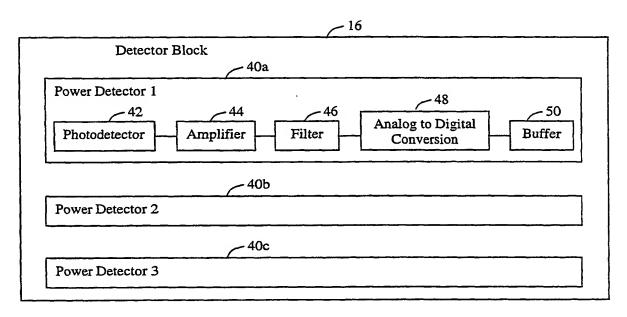


Fig. 7

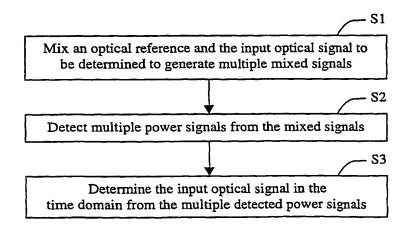


Fig. 8

Fig. 9A

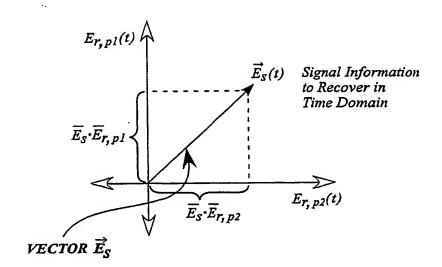


Fig. 9B

Output at Detector Block 1  $(\overline{E}_{S}, \overline{E}_{r, pl})$ 

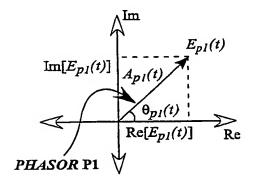
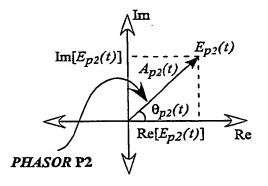
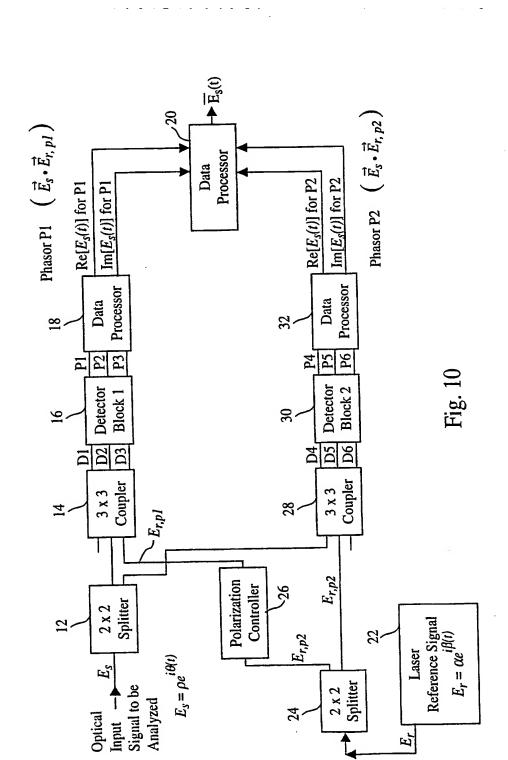


Fig. 9C

Output at Detector Block 2  $(\overline{E}_{S} \cdot \overline{E}_{r,p^2})$ 



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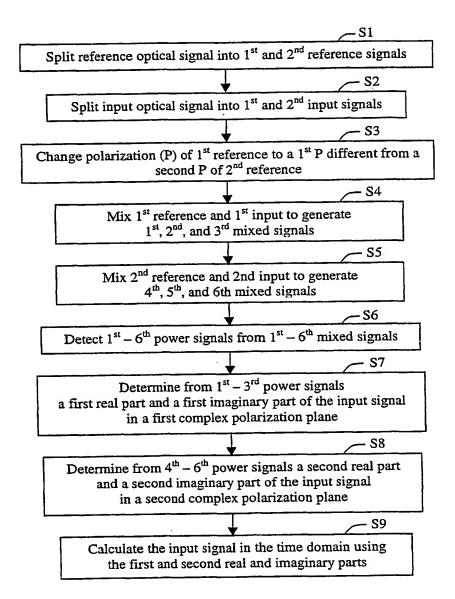
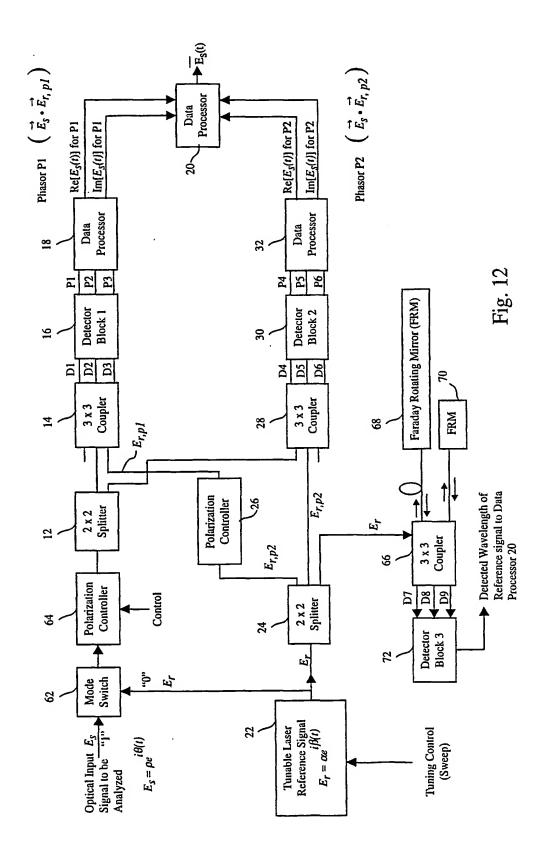


Fig. 11

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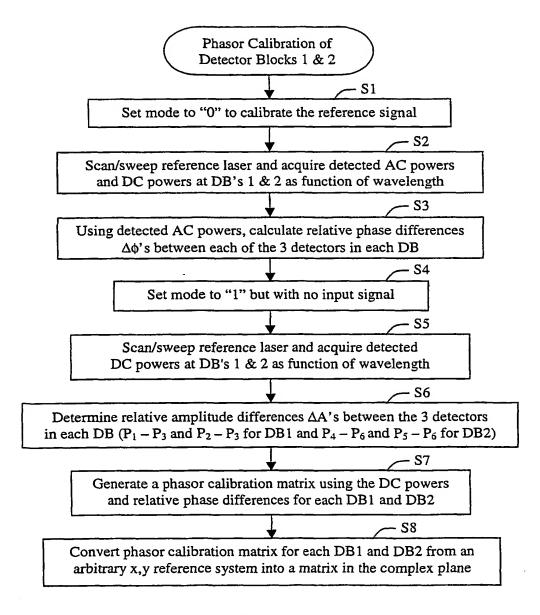


Fig. 13

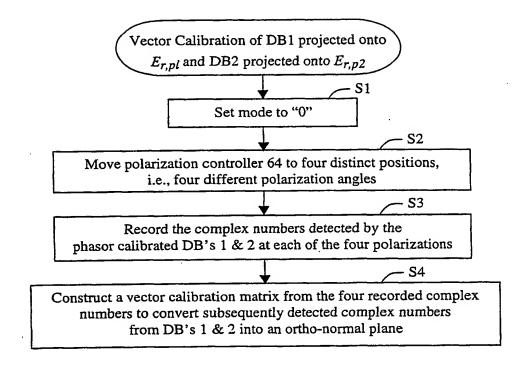


Fig. 14

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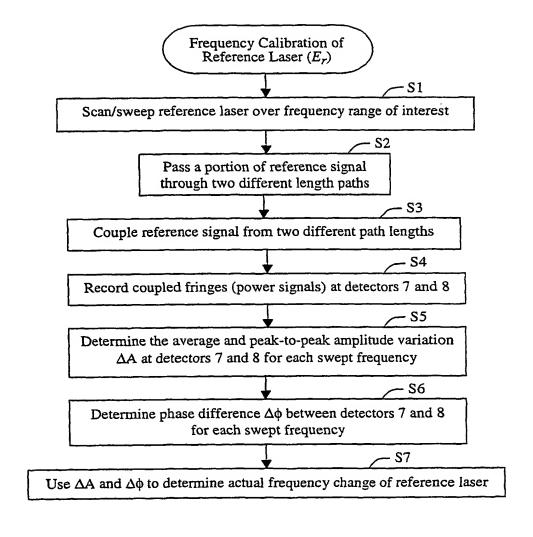


Fig. 15

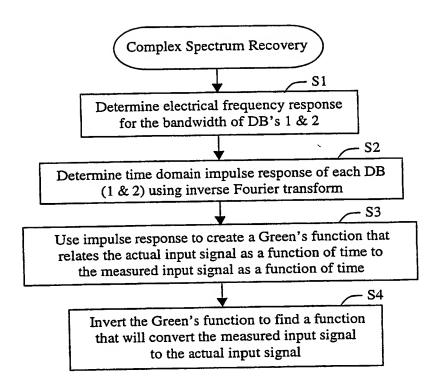


Fig. 16